

# **Advanced Modeling Tools**

**(including a few tips and supplies)**

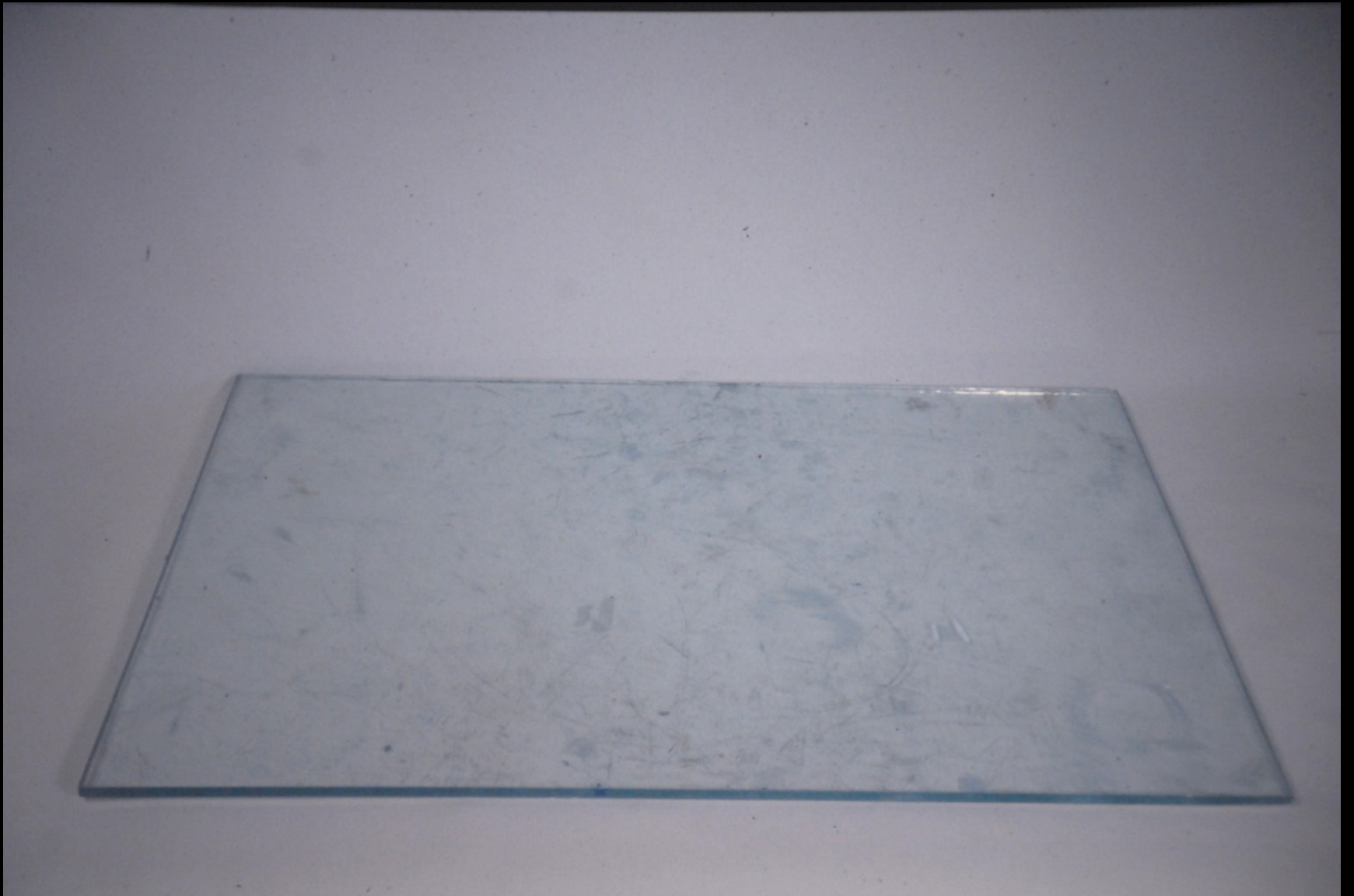
by Doug Geiger, MMR

**A modeler is only  
as good as their  
TOOLS**

# International Plastic Modelers' Society / USA



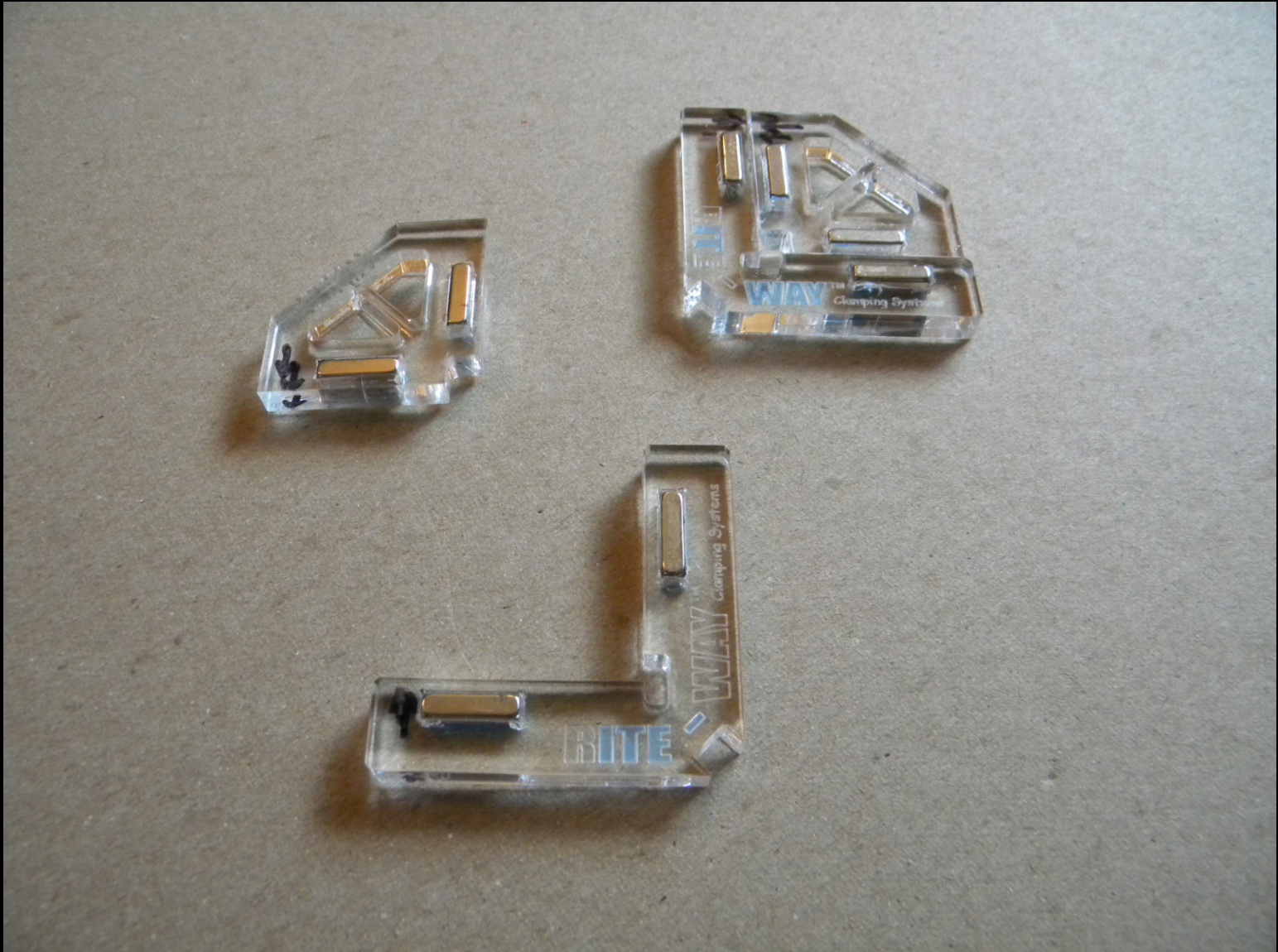
**annealed glass, not tempered (1/4 inch)**



# Irwin pistol clamp



# Rite-Way clamps



# marking pen



0.20mm tip

# Flexi-File adaptation





# razor saws



Unique Master Models – [www.umm-usa.com](http://www.umm-usa.com)

# parallel nose pliers



# scalpel for decals



# cleaning CA applicator

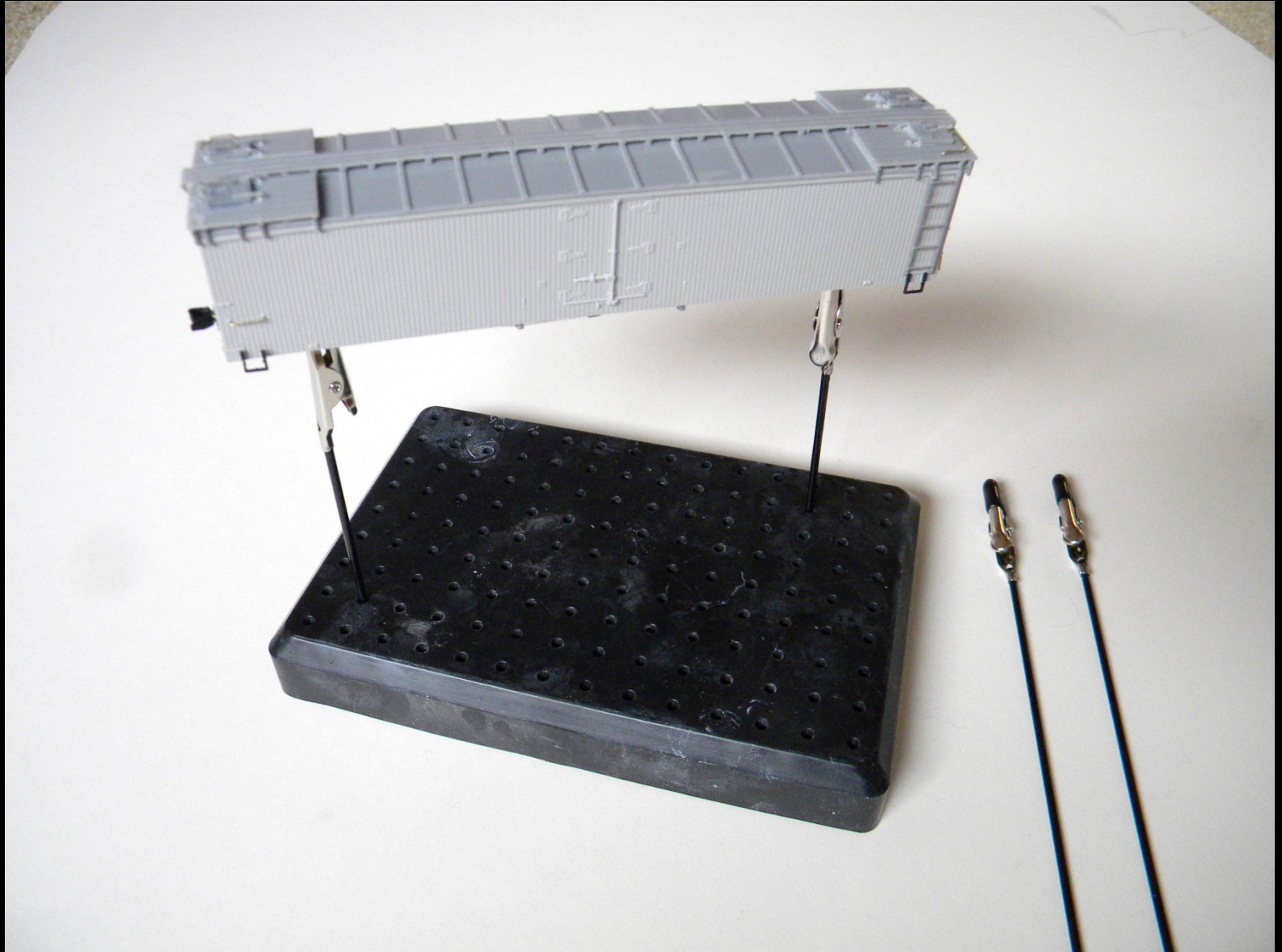


# drills smaller than #80

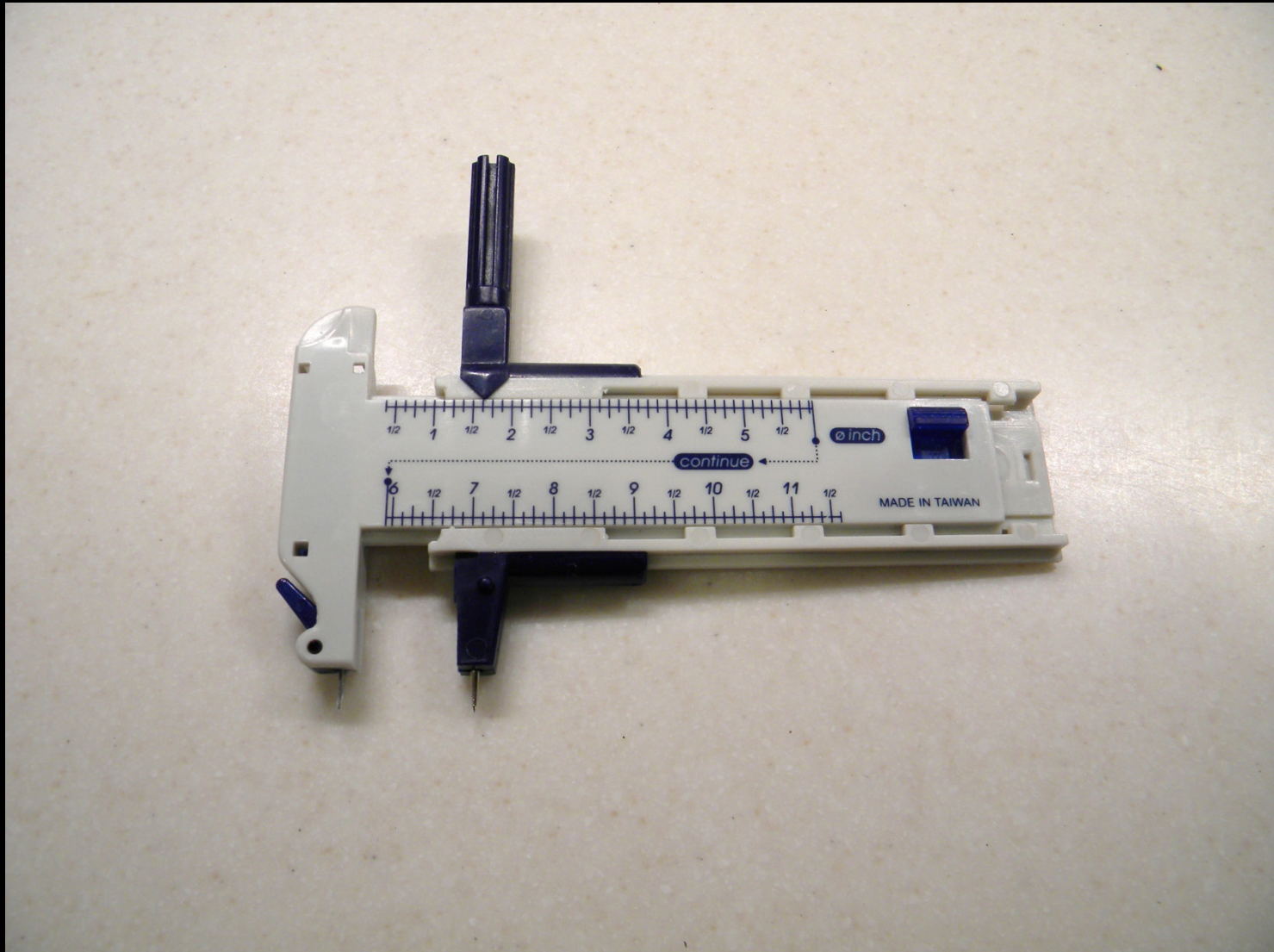


**Sphinx – Travers Tool Company**

# small parts holder



# large circle cutter for styrene



# Xuron shear rise cutter





# Dspiae mandrel



# Samawangu panel scribes



# Zona knife holders



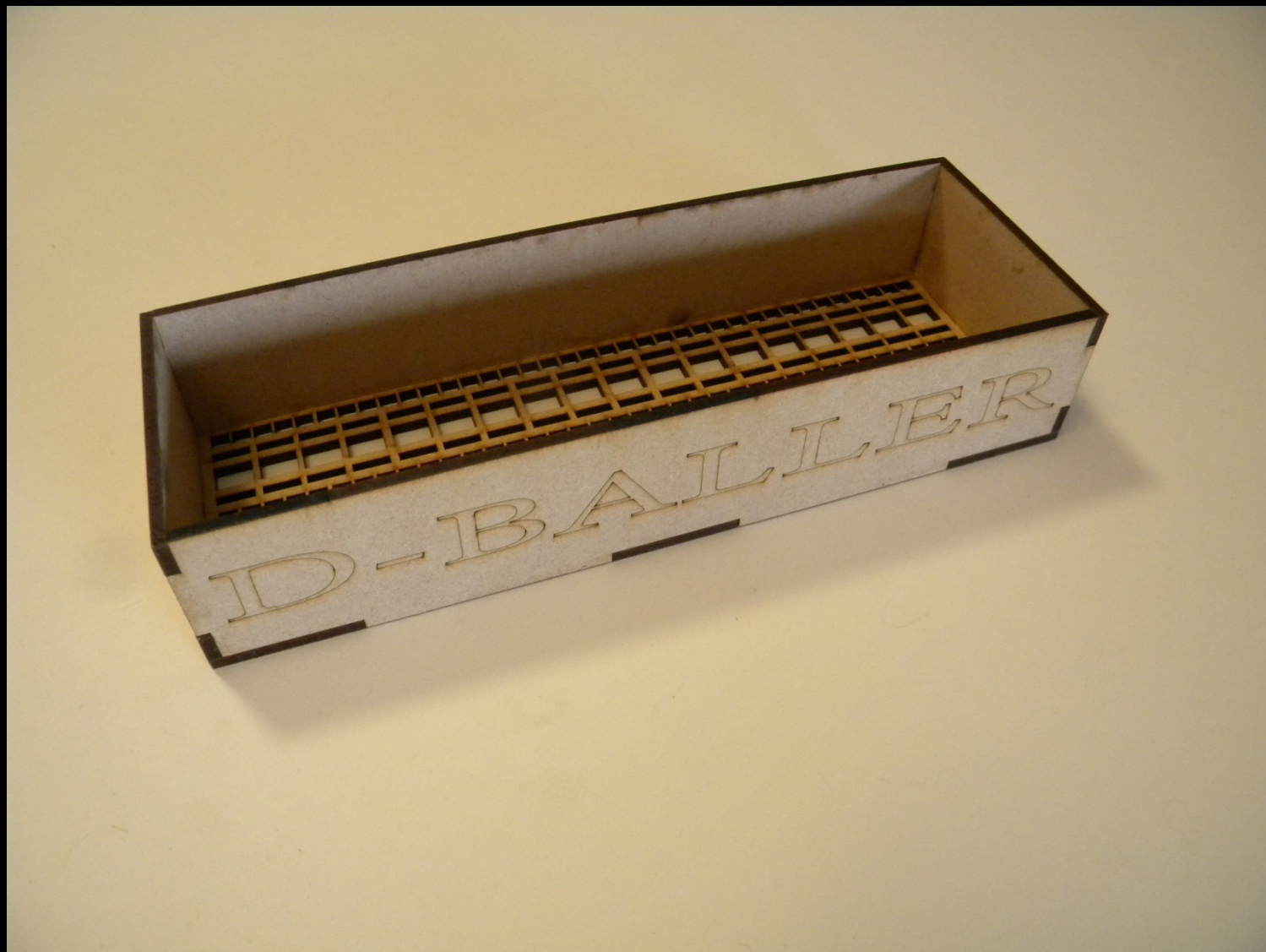
# micro shears



# hot glue gun and hot air gun



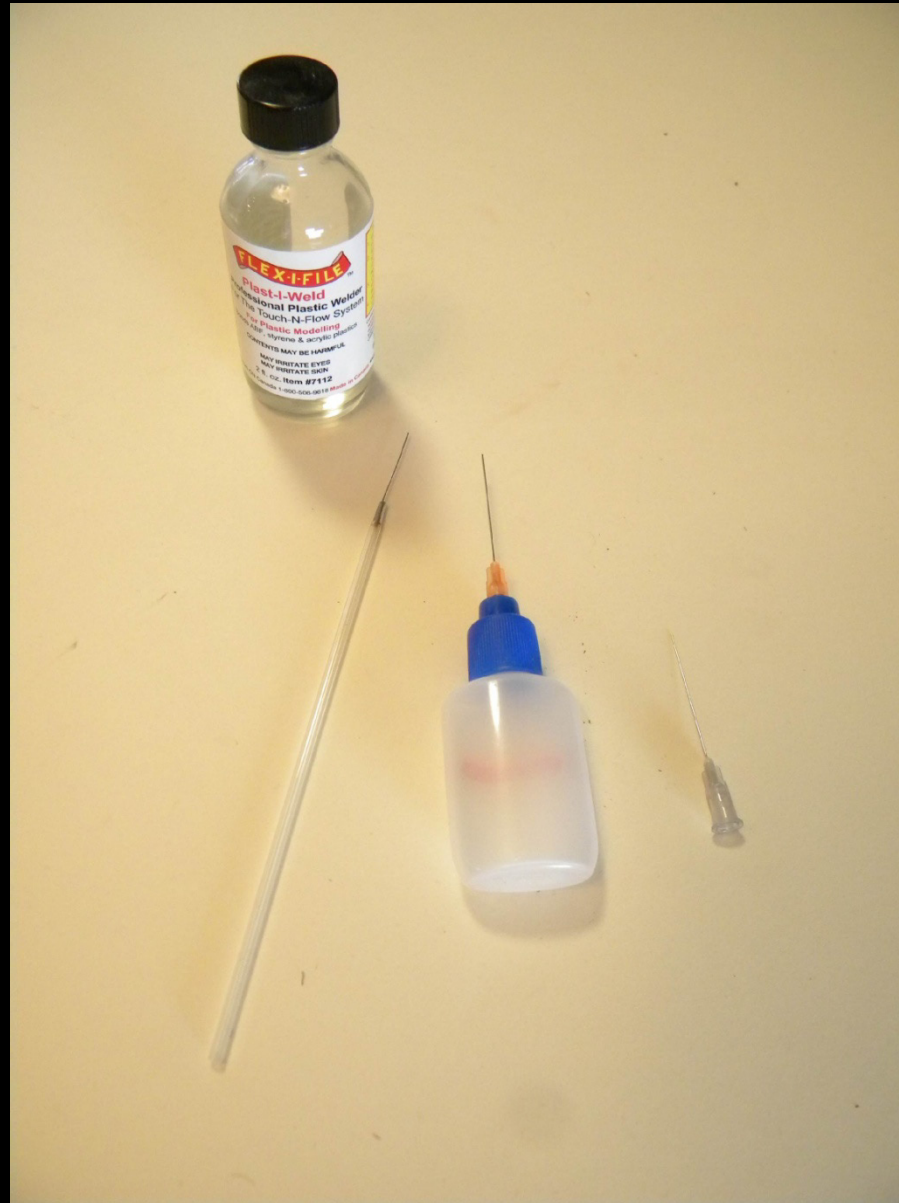
# War World Scenics static grass D-Baller box



# wheelset spreader



# Touch-N-Flow glue applicator





# micro reamers



# digital camera



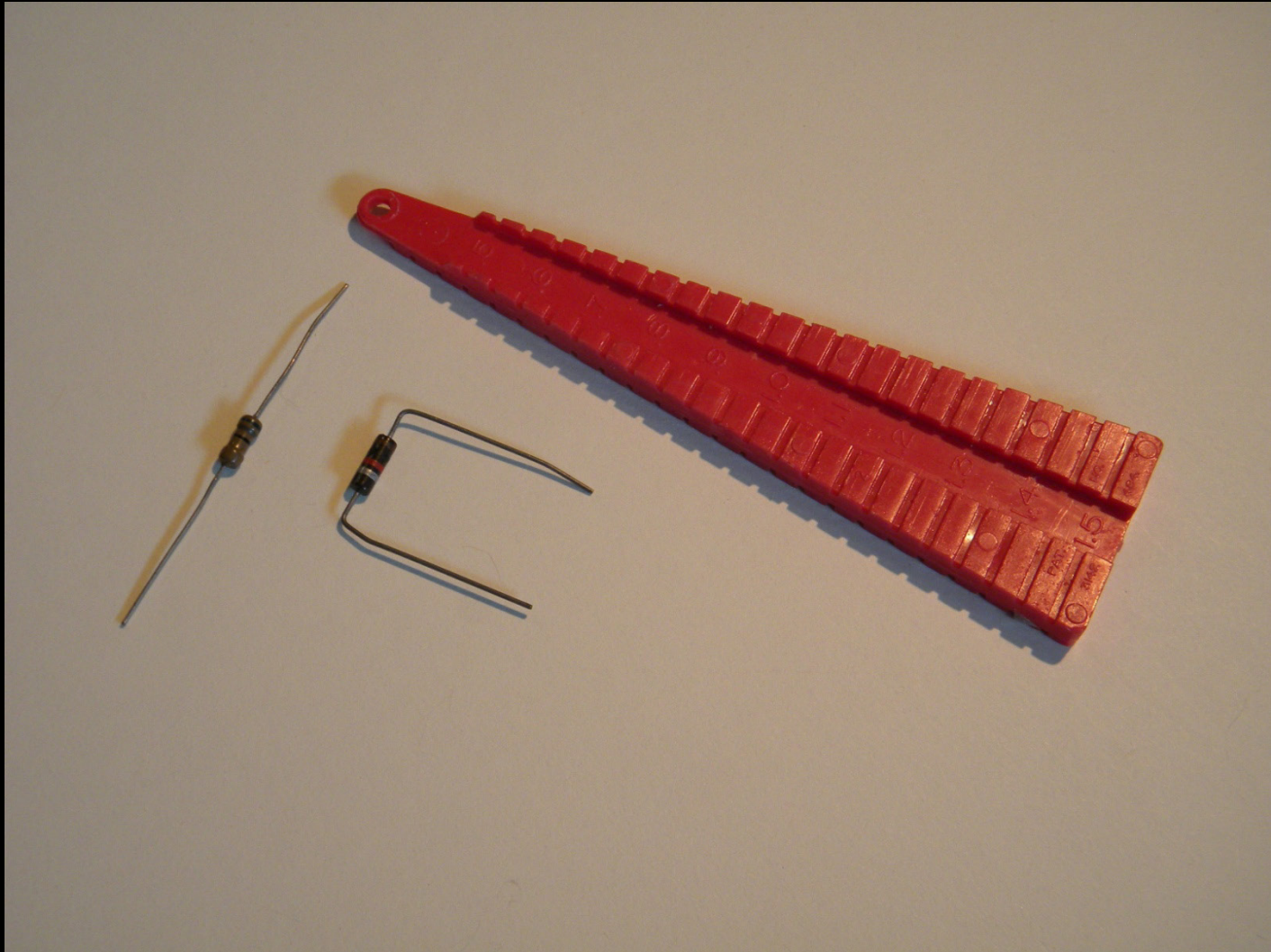
# X-acto blade saws



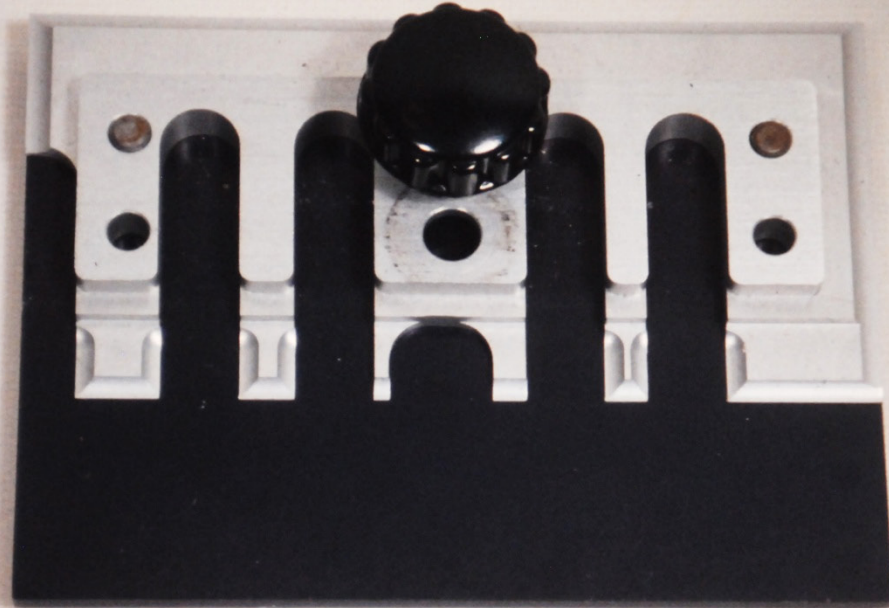
# Grabhandler grabiron maker

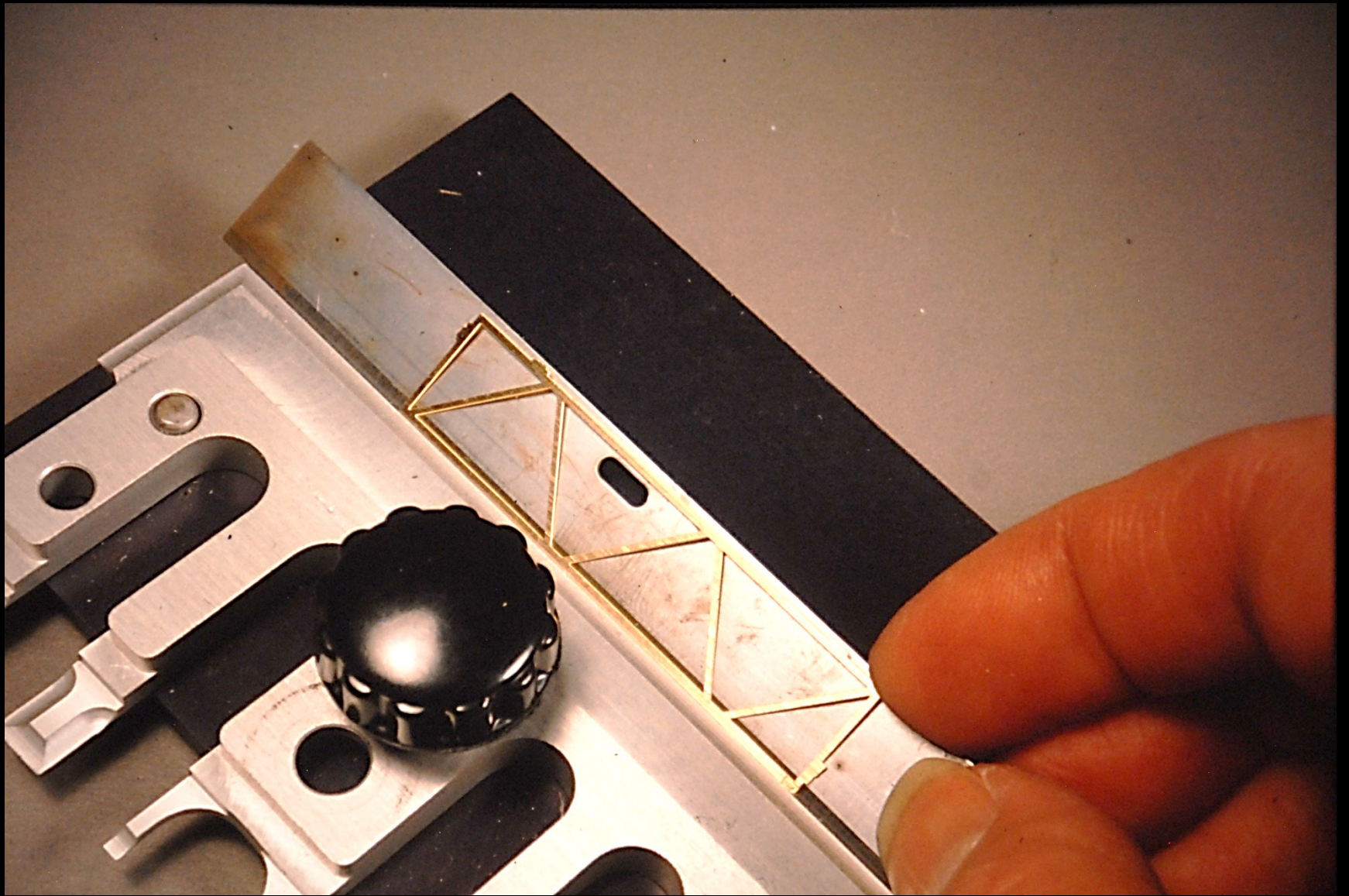


# electrical component lead bender



# photo-etch bender

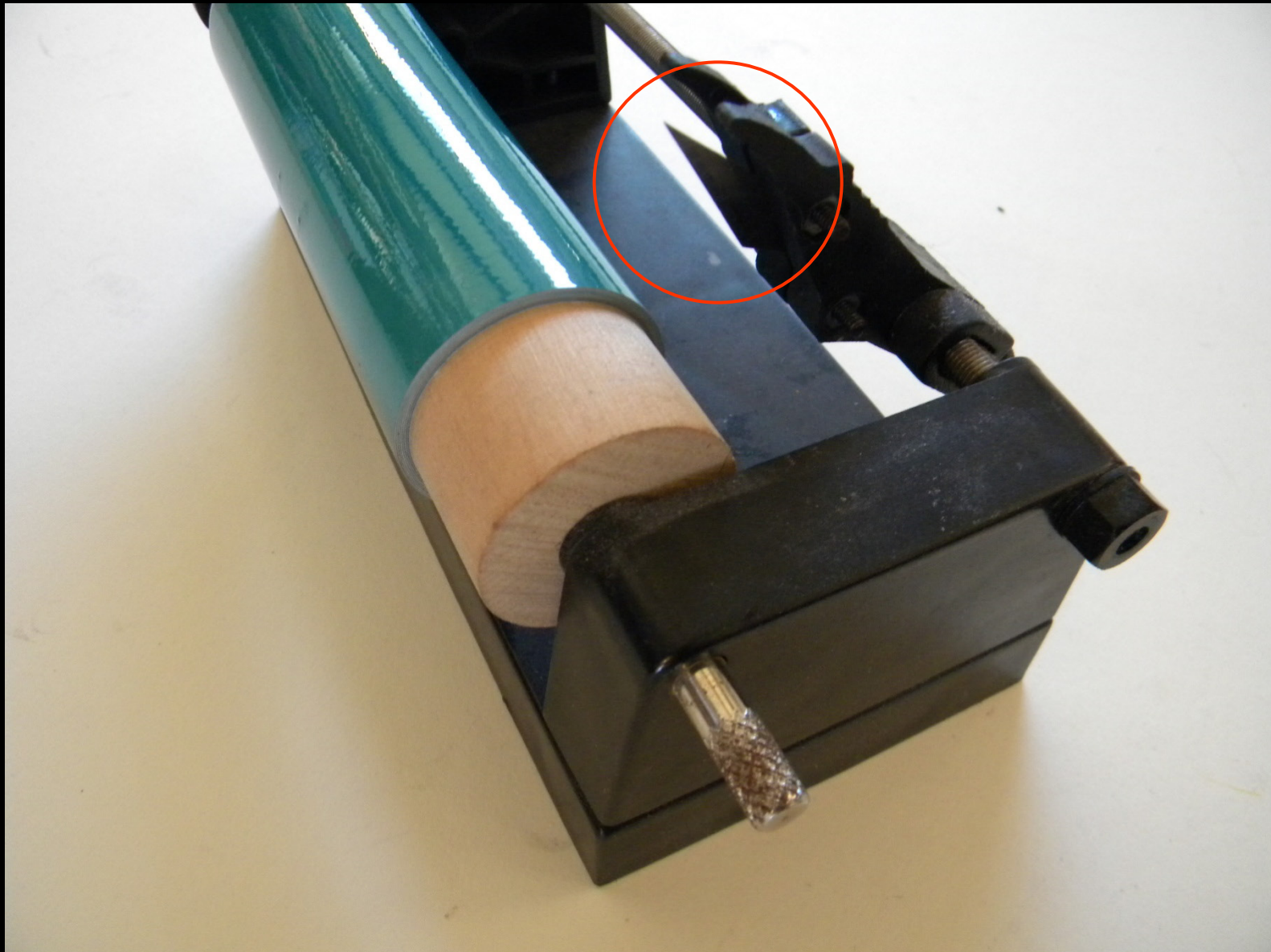




# strip maker



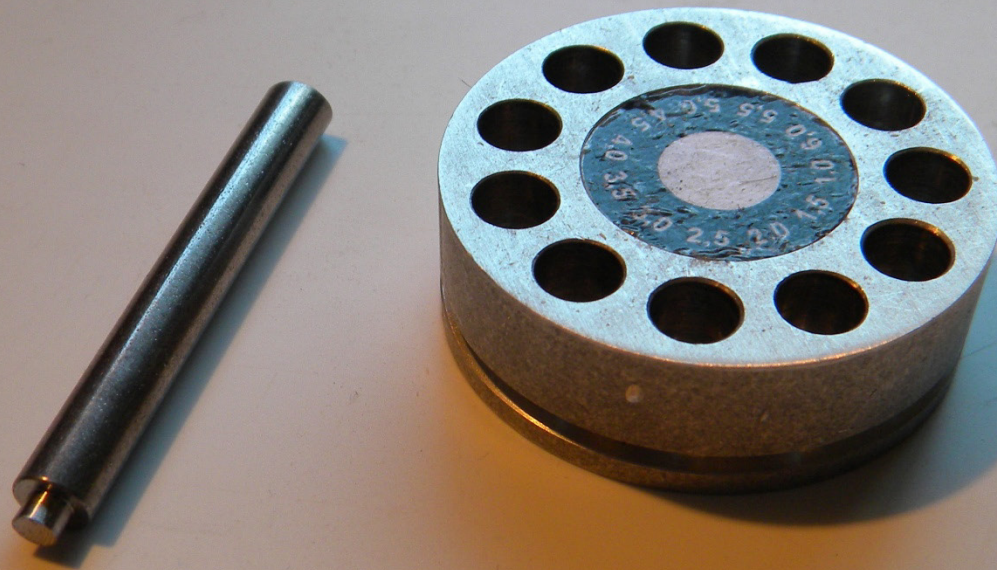




# large punch-and-die sets



# mini punch-and-die sets



Unique Master Models – [www.umm-usa.com](http://www.umm-usa.com)

# micro punch-and-die sets

**NOTE:**  
ALWAYS RETURN  
PUNCH TO ITS  
PROPER PLACE  
IN HOLDER.  
NEVER STRIKE  
SMALL END.

|      |      |
|------|------|
| .058 | .063 |
| .048 | .053 |
| .038 | .043 |
| .028 | .033 |
| .018 | .023 |

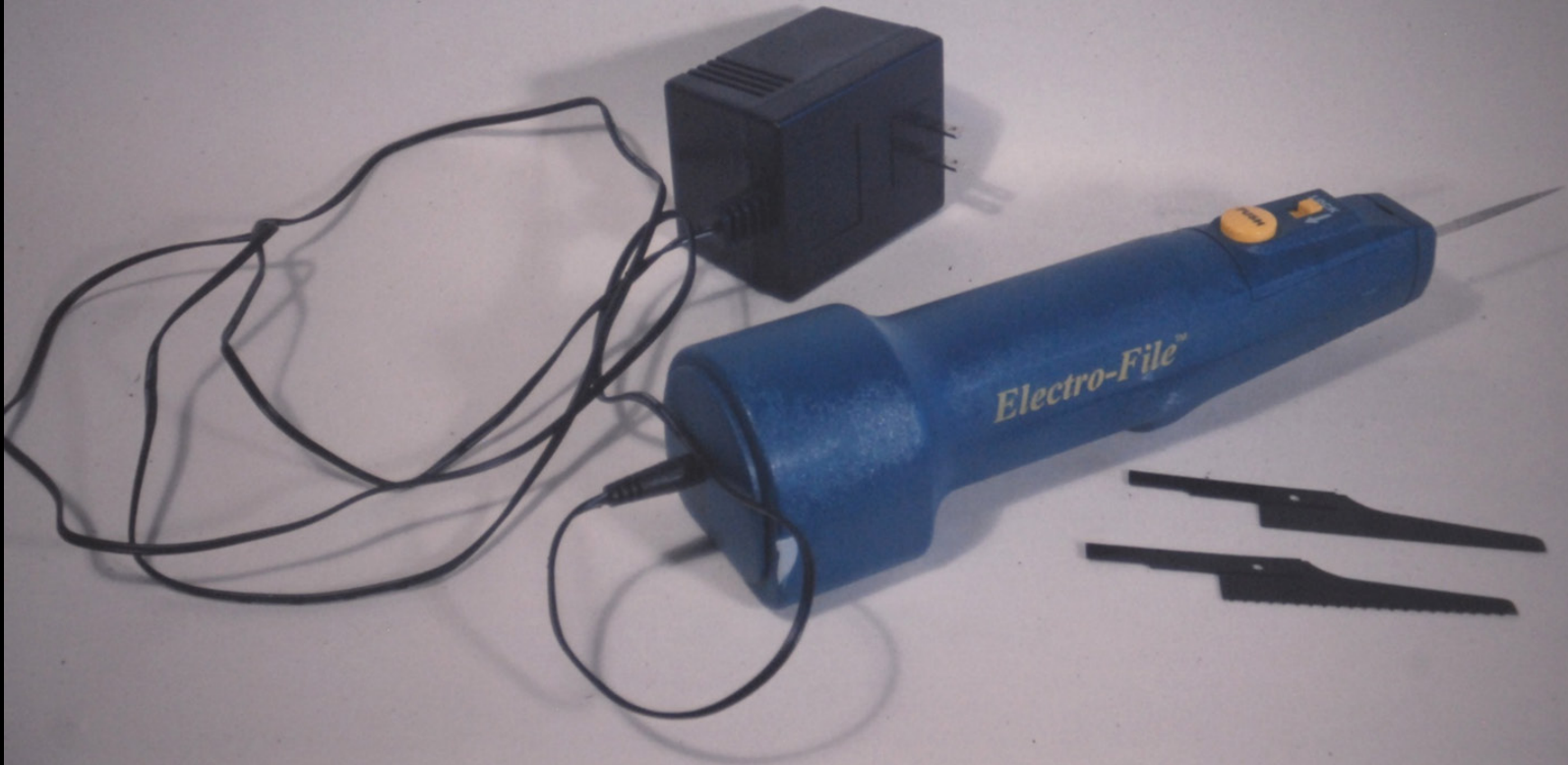
**NOTE:**  
ALWAYS RETURN  
PUNCHES TO THEIR  
PROPER PLACE IN  
HOLDER IMMEDIATELY  
AFTER USE. NEVER  
STRIKE SMALL END  
OF PUNCH.

|          |
|----------|
| .160 - 6 |
| .120 - 5 |
| .089 - 4 |
| .081 - 3 |
| .059 - 2 |
| .039 - 1 |



# miniature sawz-all

great for cutting plaster castings



# miniature power miter box

great for cutting tubing



# Minicraft slow-speed drill



**...hold like a pencil**

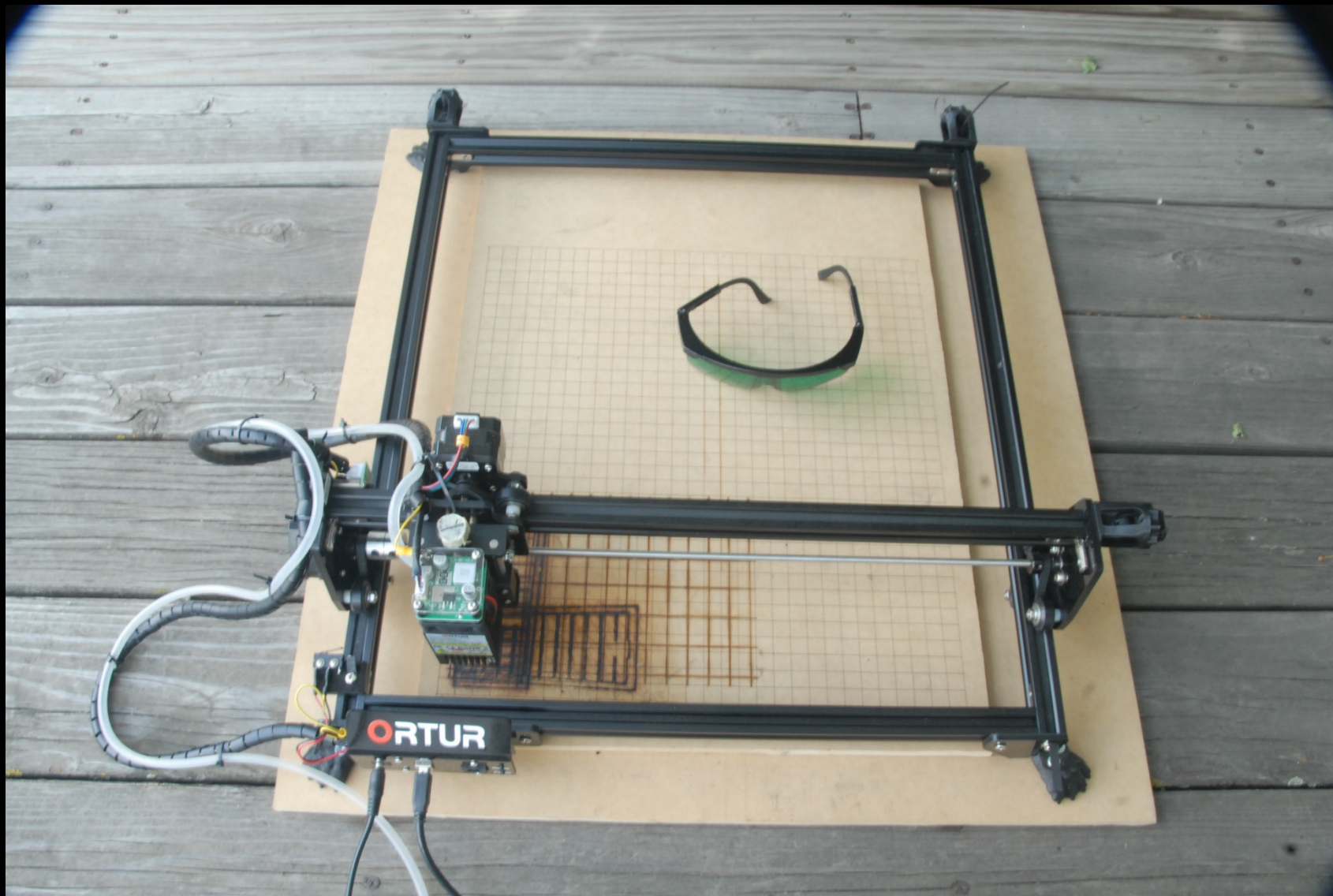




# micro-sander



# laser cutter



# Supplies

# VMS super CA glue

Michigan Toy Soldiers – [www.michtoy.com](http://www.michtoy.com)



# thinning super glue



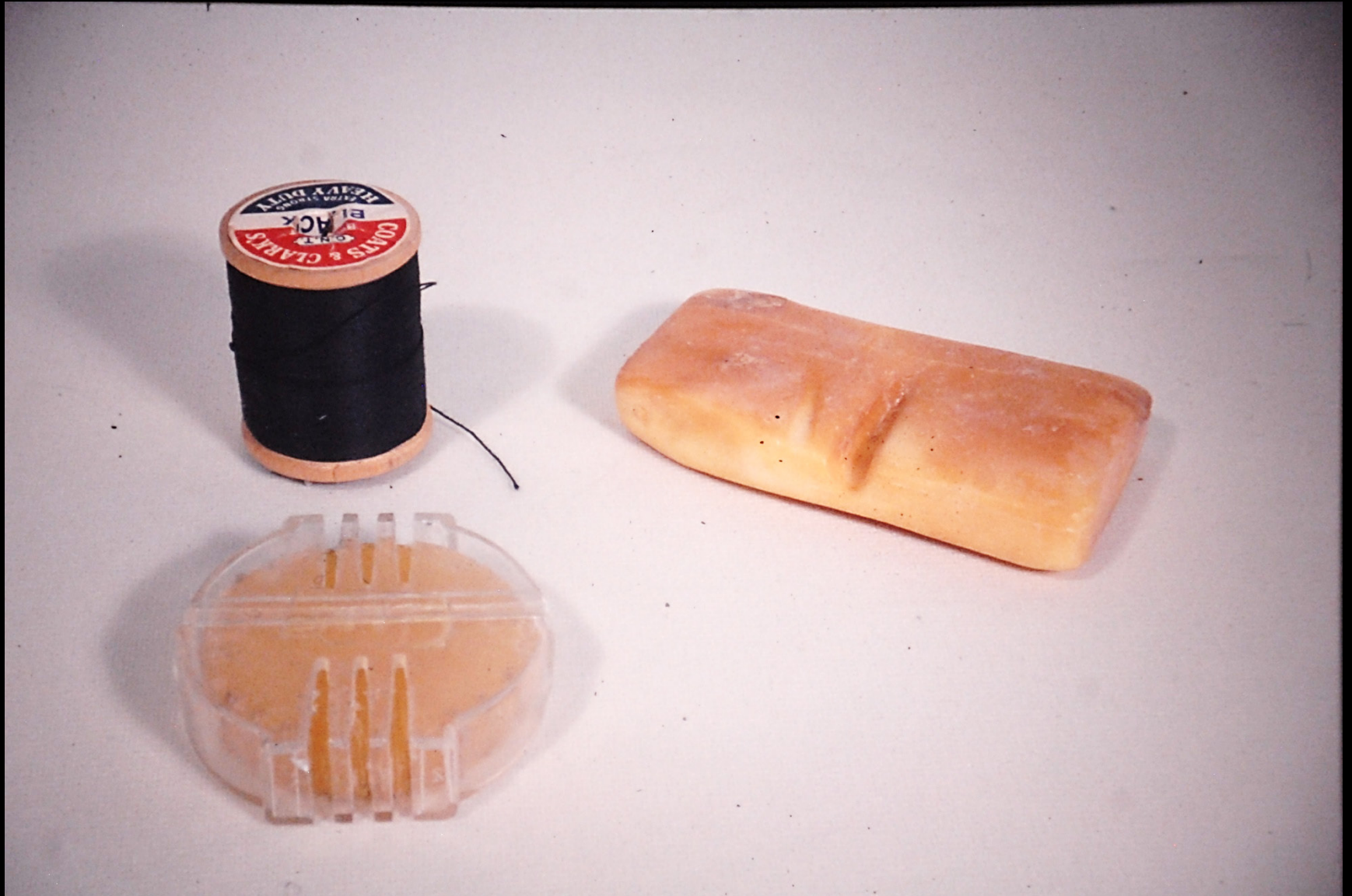
# Tricky Stick



# canopy glue



# beeswax for rigging and cables

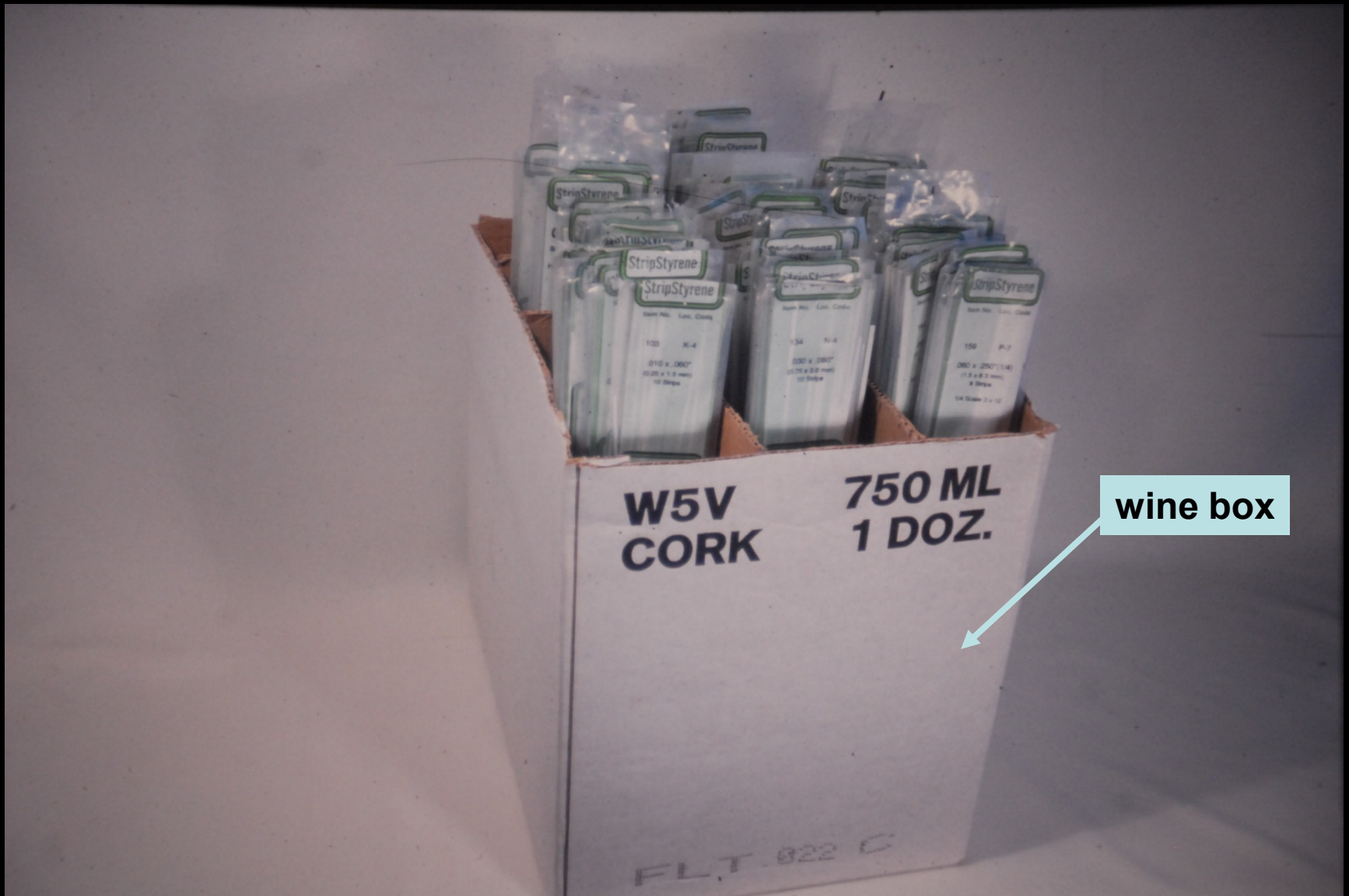




# soldering paste syringe



# Evergreen styrene storage - strip



**W5V  
CORK**

**750 ML  
1 DOZ.**

wine box

FLT 822 C

# PanPastel carrier



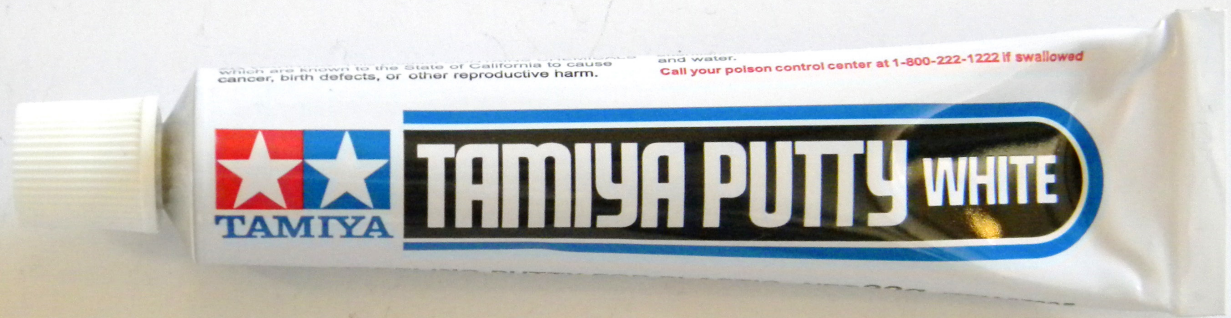
# rolling stock weight



# Dedeco cutoff disks



# Tamiya body putty



# Vallejo acrylic putty



# Molotov chrome pen



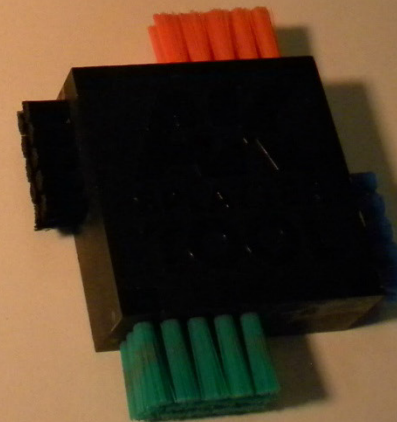


# AK Interactive paint pens



| AK                                  |   |
|-------------------------------------|---|
| REMOFF RUBBER BLACK                 | REMOFF RAL 7028 DUNKELBLAU                |
| REMOFF OFF WHITE                    | REMOFF RAL 8012 ROTBRAUN-ROD BROWN        |
| REMOFF SIGNAL RED RAL 3000          | REMOFF RAL 8017 ROTBRAUN-ROD BROWN        |
| REMOFF YELLOW RAL 1003              | REMOFF OLIVE DRAB                         |
| REMOFF ORANGE RAL 2004              | REMOFF INTERIOR GREEN FENESTRE            |
| REMOFF BLUE RAL 5001                | REMOFF DE INTERIOR YELLOW GREEN           |
| REMOFF BROWN                        | REMOFF RAL 80 02 GRAY DRAB                |
| REMOFF BUFF                         | REMOFF RLM 65                             |
| REMOFF DECK TAN                     | REMOFF RLM 75                             |
| REMOFF ALUMINIUM                    | REMOFF RLM 76                             |
| REMOFF DARK ALUMINIUM               | REMOFF RAL 6002 GRAY GREEN                |
| REMOFF WOOD BARK                    | REMOFF RAL 60 02 METALBRUN INTERIOR GREEN |
| REMOFF SHIPPING COLOR               | REMOFF RAL 60 03 GRAY GREEN               |
| REMOFF RAL 1001 ELFENBEN-IVORIT     | REMOFF RAL 60 04 GRAY GREEN               |
| REMOFF RAL 6003 OLIVENGRIEN         | REMOFF GRAY METAL                         |
| REMOFF RAL 7008 HELLGRAN-LIGHT GRAY | REMOFF FLAT BLACK                         |
| REMOFF RAL 7001 DUNKELGRAN          | REMOFF FLAT WHITE                         |

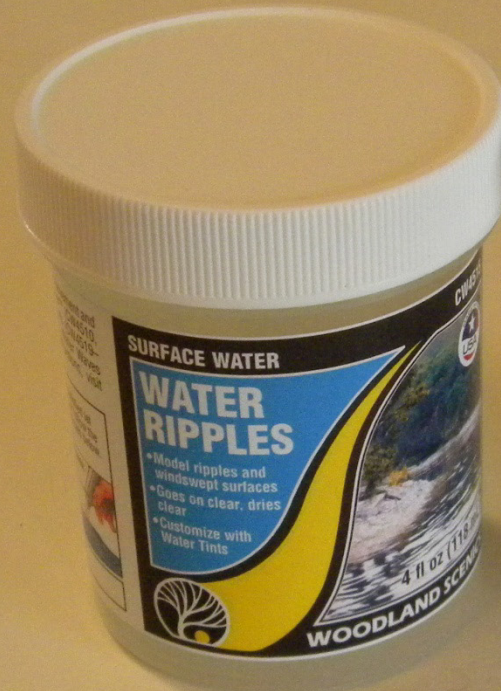
# AK Interactive Splatter



# War World Scenics Layering Spray



# Woodland Scenics Water Effects



# AK Interactive Asphalt Mix



# Coastmans Forest Products



# Tamiya tape for masking



# Archer rivet/weld bead decals





# decal setting solutions and repair



# Mr Surfacer primer - “paintable body putty”

brush application for seams

airbrush application for primer,  
10psi, 4:1 thinner



# Vallejo Model Air paint



# Tamiya Panel Line Accents



# AK Interactive



# Turpenoid for oils and enamels



# VMS Chip & Nick

Michigan Toy Soldiers – [www.michtoy.com](http://www.michtoy.com)



# diesel handrail paint





# gloss coat for decals



# flat coat for decals



**MODEL MASTER**  
CUSTOM ENAMEL SYSTEM  
**LACQUER TOP COAT THINNER**  
WARNING: FLAMMABLE  
VAPOR HARRIFUL, EYE IRRITANT.  
Read cautions on back panel.  
Net wt 1 fl. oz. (29.5 mL)

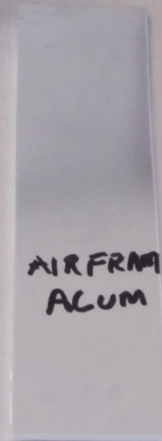
**FLAT CLEAR LACQUER**  
Use with 300 Lacquer Thinner.  
WARNING: Lacquer solvents, petroleum distillates, acetone and other  
solvents are toxic, respiratory irritants, irritate eyes, and  
cause dizziness and headache. Use with ventilation. Do not breathe  
vapors and avoid skin contact.  
Wash thoroughly with water. Call physician if effects  
persist or if you are pregnant or nursing. Call  
toxicologist if you are pregnant or nursing. Health  
hazard: H225, H314, H335. See also GHS 05, 07, 09.  
WARNING: This product contains a chemical known to the state of  
California to cause cancer and birth defects or other reproductive harm.  
©2010 The Vector Corp.  
Vector, 8 81104, 800-952-6854  
Made in USA. Imported and Sold in USA.

**MODEL MASTER**  
CUSTOM ENAMEL SYSTEM  
WARNING:  
FLAMMABLE  
VAPOR HARRIFUL  
EYE IRRITANT  
Read back  
NET WT 1 FL OZ

# Vallejo acrylic metal paint



# Alclad II metal paint





**The End**

